

PATENT NUMBER

UTIL
SERI
NUM

SERIAL NUB

APPLICANTS

4

APPLICATION SERIAL NUMBER

08/1780, 878

APPLICANT'S NAME (PLEASE PRINT)

Hirschman et al.

IF REISSUE, ORIGINAL PATENT NUMBER

5,543,864

INTERNATIONAL CLASSIFICATION

G	O	Z	C	9/00

PTO-270
(REV. 5-91)

ORIGINAL CLASSIFICATION

CLASS 351 SUB CLASS 47

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)	
351	44	121
2	44-9	451

GROUP
ART UNIT

ASSISTANT EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

2873 HUNG X. DA

ISSUE CLASSIFICATION SLIP

U. S. GOVERNMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

Claim	Date
Final	8/22/98
Original	9/9/98
1 (1)	= = = = =
2	= = = = =
3	
4	
5 (5)	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20 (20)	
21	
22	
23 (23)	
24	
25	
26	
27 (27)	
28 (28)	
29	
30 (30)	
31	
32	
33	
34	
35	
36	
37	
38	
39	= = = = =
40	= = = = =
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	

Original

BEST AVAILABLE COPY

SYMBOLS

- = Rejected
- = Allowed
- (Through number) Canceled
- Restricted
- + Non-elected
- N Interference
- A Appeal
- O Objected

51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

Form PTO-270
(Rev. 8/92)SCAN
OC

POSITION	ID NO.	DATE
CLASSIFIER		
EXAMINER	438	2/27/97
TYPIST		
VERIFIER		
CORPS CORR.		
SPEC. HAND		
FILE MAINT.		
DRAFTING		

INDEX OF CLAIMS

BEST AVAILABLE COPY

Original

Claim	Date
Final	
Original	8/21/97 8/5/97
1	1/1/98
2	1/1/98
3	1/1/98
4	1/1/98
5	1/1/98
6	1/1/98
7	1/1/98
8	1/1/98
9	1/1/98
10	1/1/98
11	1/1/98
12	1/1/98
13	1/1/98
14	1/1/98
15	1/1/98
16	1/1/98
17	1/1/98
18	1/1/98
19	1/1/98
20	1/1/98
21	1/1/98
22	1/1/98
23	1/1/98
24	1/1/98
25	1/1/98
26	1/1/98
27	1/1/98
28	1/1/98
29	1/1/98
30	1/1/98
31	1/1/98
32	1/1/98
33	1/1/98
34	1/1/98
35	1/1/98
36	1/1/98
37	1/1/98
38	1/1/98
39	1/1/98
40	1/1/98
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	

SYMBOLS

<	Rejected
=	Allowed
(Through number)	Canceled
+	Restricted
N	Non-elected
I	Interference
A	Appeal
O	Objected

Claim	Date
Final	
Original	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	